Index of Claims

Application No.

09/825,436

Examiner

Applicant(s) **GOWEN ET AL.** 

Art Unit

Jean M Corrielus

2162

| <b>&gt;</b> | Rejected |
|-------------|----------|
| =           | Allowed  |

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

**Appeal** Α 0 Objected

| Cla                  | aim      | Γ        |          |                | _            | Dat      |              |          |          |              | 1 | Cla   | aim           |                 |          |          |    | Dat         | е            |          |          |
|----------------------|----------|----------|----------|----------------|--------------|----------|--------------|----------|----------|--------------|---|-------|---------------|-----------------|----------|----------|----|-------------|--------------|----------|----------|
|                      |          |          |          | Ι              | Γ            | <u> </u> | İΤ           | Г        | Π        | Γ            | 1 |       |               |                 |          |          |    | Ţ <u>-`</u> | Ĺ            | Π        | Γ        |
| Final                | Original | 4/6/05   |          |                |              |          |              |          |          |              |   | Final | Original      |                 |          |          |    |             |              |          |          |
|                      | 1        |          |          |                |              |          |              |          |          |              | ] |       | 51            |                 |          |          |    |             |              |          | Γ        |
|                      | 2        |          |          |                |              |          |              |          |          |              |   |       | 52            |                 |          |          |    |             |              |          | Γ        |
|                      | 3        |          |          |                |              |          |              |          |          |              |   |       | 53            |                 |          |          |    |             | <u>L</u>     |          |          |
|                      | 4        | L        |          |                | 乚            | 乚        |              |          |          |              |   |       | 54            |                 |          |          |    |             |              |          | L        |
|                      | 5        |          |          |                | $oxed{oxed}$ |          |              |          | Ĺ        |              | ] |       | 55            |                 |          |          |    |             |              |          | Γ        |
|                      | 6        |          |          |                |              | L        | <u></u>      | L        |          | <u> </u>     | ] |       | 56            | Ш               |          |          | L  | L           |              |          | L        |
|                      | 7        | _        |          | <u> </u>       | <u> </u>     | _        | <u> </u>     | L        | L        | $oxed{oxed}$ | ļ | ļ     | 57            |                 |          |          | L. |             |              | <u> </u> | L        |
|                      | 8        |          |          | L              |              | _        | L            | <u> </u> | L        | ┖            | ļ |       | 58            |                 |          |          | _  |             | <u> </u>     | L        | L        |
|                      | 9        |          |          |                |              | L        |              | <u> </u> | L        | L            | ļ |       | 59            | Ш               | _        |          | L  |             |              | L        | L        |
|                      | 10       | L.       |          |                | _            | Ļ        |              | <u> </u> | L        | _            | ļ |       | 60            | Ш               |          |          |    |             | <u> </u>     | <u> </u> | L        |
|                      | 11       | 1        |          |                | _            | L        | _            | L        |          | _            |   |       | 61            | Ш               | _        |          | _  | _           | <u> </u>     | L        | ╙        |
|                      | 12       | 1        |          |                | <u> </u>     | <u> </u> | L            | _        | L.       | Ŀ            |   |       | 62            | Ш               | _        |          | L. | _           | _            | L        | Ļ        |
|                      | 13       | 4        |          |                | <u> </u>     | L        | L.           | L        | <u> </u> | L            |   |       | 63            | Ш               | _        |          |    | _           | _            | L        | ļ.       |
|                      | .14      | 7        |          |                |              | L_       | L            | <u> </u> | <u> </u> | L            |   |       | 64            | Ш               | _        |          |    | L.          | L            | <u> </u> | ┖        |
|                      | 15       | 1        |          |                | _            | L        | L            | _        | <u> </u> | _            |   |       | 65            | Ш               | _        |          |    | _           | L            | <u> </u> | L        |
| Ŀ                    | 16       |          |          |                | _            |          | L            | _        | L        | L            |   |       | 66            | Ш               | $\Box$   |          |    |             | L_           | L        | <u> </u> |
|                      | 17       | 1        |          | ļ              |              | <u> </u> | _            |          | <u> </u> | _            |   |       | 67            | Ш               |          |          | _  | ļ           |              | ļ        | L        |
| L                    | 18       | <b>√</b> |          | <u> </u>       | <u> </u>     | L_       | <u> </u>     |          | L        | L            |   |       | 68            | Ш               | _        |          | _  | _           | ┖            | 上        | L        |
|                      | 19       | 1        |          | L              | L            | _        | <u> </u>     |          | L        | L            |   |       | 69            |                 | _        |          |    | _           | L            | L        | L        |
| <u> </u>             | 20       | 1        |          | _              |              | <u> </u> | Ŀ            | <u> </u> | <u> </u> | L            |   |       | 70            | Ш               | _        |          |    | L           | <u> </u>     | <u> </u> | L        |
|                      | 21       | Щ        |          | _              | Ļ            | <u> </u> | <u> </u>     | <u> </u> |          | L            |   |       | 71            | Ш               | _        |          |    | _           | L.           | <u> </u> | Ļ        |
|                      | 22       | Ш        |          | ļ              | _            | _        | _            | L        |          | <u> </u>     |   |       | 72            | Ш               | _        |          |    |             | L            | <u> </u> | L        |
|                      | 23       | Ш        |          | lacksquare     | _            | _        | _            |          | _        | <u> </u>     |   |       | 73            | Ш               | _        | _        | _  |             | L            | <u> </u> | L        |
| <u> </u>             | 24       | _        |          |                | <u> </u>     | <u> </u> | _            | <u> </u> | <u> </u> | <u> </u>     |   |       | 74            | Ш               | _        | _        |    | L           | L            | ļ        | L        |
|                      | 25       | _        |          |                | -            | <u> </u> | <u> </u>     |          |          | _            |   |       | 75            | $\sqcup$        | _        | _        |    | L           | <u> </u>     | _        | L        |
|                      | 26       | Ш        |          |                | _            | <u> </u> | <u> </u>     |          | _        | _            |   |       | 76            | $\sqcup$        |          |          |    | _           | _            | ┡        | ┡        |
|                      | 27       | Ш        |          |                | _            | ╙        | ┡            | <u> </u> | ┞        | <u> </u>     |   |       | 77            | $\sqcup$        |          |          |    | L           | _            | ┡        | ┡        |
|                      | 28       | -        |          |                |              |          | L            | _        | _        | ļ            |   |       | 78            | $\sqcup$        |          | _        |    | <u> </u>    | <u> </u>     | _        | L        |
|                      | 29       | Ш        |          |                | _            | _        | _            | _        | <u> </u> | ┡            |   |       | 79            | $\sqcup$        | _        |          |    | _           | <u> </u>     | _        | ┡        |
|                      | 30       | Н        |          |                |              |          |              | _        | _        | ⊢            |   |       | 80            | $\vdash$        | _        | _        | _  | <u> </u>    | <u> </u>     | <u> </u> | ┞        |
|                      | 31       | Н        |          | $\blacksquare$ |              | _        | _            | ⊢        |          | _            |   |       | 81            |                 | -        | _        |    | _           | ⊢            | <u> </u> | ┞        |
|                      | 32       | Н        |          | _              | ⊢            | <u> </u> |              | H        | -        | -            |   |       | 82            | Н               | -        | -        |    | <u> </u>    |              | <u> </u> | ⊢        |
| -                    | 33<br>34 | $\vdash$ |          |                |              |          | -            |          |          | _            |   |       | 83            | -               | $\dashv$ | -        |    | ├           | ⊢            | ⊢        | ┞        |
| $\vdash$             | 35       | $\vdash$ |          |                |              | ⊢        | ⊢            |          | ├        | -            |   |       | 84            | $\vdash$        |          | -        |    | -           | ⊢            | ⊢        | ⊢        |
|                      |          |          | _        |                |              |          | -            | -        | ┝        | ├            |   |       | 85            | $\vdash \vdash$ |          | $\dashv$ |    | -           | ├            |          | ⊢        |
| $\vdash$             | 36<br>37 | Н        |          | -              |              | ├        | ├            | ├        | -        | -            |   |       | 86<br>87      | $\vdash$        | $\dashv$ |          |    | <u> </u>    | <del> </del> | H        | ⊬        |
| <u> </u>             | 38       | Н        | _        | Н              |              | ┝        | ├            |          | ├        | <del> </del> | 1 |       | 88            | Н               |          | $\dashv$ |    | ├           | ├            |          | ⊬        |
|                      | 39       | Н        |          |                | $\vdash$     | _        | ┝            | H        | H        | ┝            |   |       | $\overline{}$ | $\vdash$        | $\dashv$ | -        |    | -           | ⊢            |          | ⊬        |
| -                    | 40       | Н        | $\dashv$ | -              | _            | H        | <del> </del> | H        | $\vdash$ | _            |   |       | 89<br>90      | -               | ┥        | $\dashv$ |    | -           | ⊢            | -        | ⊢        |
| -                    | 41       | H        | -        | Н              | _            | $\vdash$ | ┝            | $\vdash$ | $\vdash$ | $\vdash$     |   |       | 91            | $\vdash$        | $\dashv$ | $\dashv$ |    |             | $\vdash$     |          | ⊢        |
| $\vdash$             | 42       | -        |          | -              |              | -        | ├            | H        |          | -            |   |       | 92            | $\vdash$        | $\dashv$ | $\dashv$ | _  | _           | -            | ⊢        | ⊢        |
| Н                    | 43       |          |          | -              | _            |          | ┝            | H        | -        | ┝            |   |       | 93            | $\vdash$        | ┪        | -        |    | ┝           | _            | ┢        | ⊢        |
| $\vdash\vdash\vdash$ | 44       | $\vdash$ | $\dashv$ | $\vdash$       |              | $\vdash$ | $\vdash$     | $\vdash$ |          | <u> </u>     |   |       | 94            | $\vdash$        | $\dashv$ | -        | _  | $\vdash$    | $\vdash$     | $\vdash$ | ⊢        |
| $\vdash$             | 45       | $\vdash$ | -        |                | -            | -        | $\vdash$     |          | $\vdash$ | $\vdash$     | } |       | 95            | $\dashv$        | $\dashv$ | -        |    | _           | <del> </del> | ┢        | ┢        |
| $\vdash$             | 46       | $\vdash$ | $\dashv$ | $\vdash$       |              | $\vdash$ | -            | $\vdash$ | $\vdash$ |              |   |       | 96            | $\vdash \vdash$ | $\dashv$ | $\dashv$ | _  |             | $\vdash$     | -        | $\vdash$ |
| $\vdash$             | 47       | $\vdash$ | $\dashv$ | $\dashv$       |              |          |              |          | -        | -            |   |       | 97            | $\vdash$        | ᆉ        |          |    |             | $\vdash$     | $\vdash$ | H        |
| $\vdash \dashv$      | 48       | $\vdash$ |          | $\vdash$       |              |          | Н            | -        | $\vdash$ | -            |   |       | 98            | $\vdash \vdash$ | -        | $\dashv$ | _  | -           | $\vdash$     | $\vdash$ | $\vdash$ |
| $\vdash$             | 49       | $\dashv$ | $\dashv$ | $\dashv$       | $\vdash$     | _        | -            |          |          | -            |   |       | 99            | $\vdash \vdash$ | ᅱ        | ᅥ        | -  | <u> </u>    | -            | $\vdash$ | $\vdash$ |
| $\vdash$             | 50       | $\vdash$ |          | $\dashv$       | Н            |          |              | -        |          |              |   |       | 100           | $\dashv$        | $\dashv$ | ᅱ        |    | $\vdash$    | $\vdash$     | $\vdash$ | $\vdash$ |
|                      |          | ш        |          |                | لـــا        |          |              | ш        |          |              | · |       | . 50          |                 |          |          |    |             | Ь            |          | _        |

| Cla      | aim      | L  |  |          |              | Dat                            | e_       |          |  |          |
|----------|----------|--|--|----------|--------------|--------------------------------|----------|----------|--|----------|
|          |          |  |  |          |              |                                |          |          | l  |          |
| Final    | Original |  |  |          |              |                                |          |          |  |          |
|          | 51       |  |  |          |              |                                |          |          |  |          |
|          | 52<br>53 |  |  | 匚        |              | L                              | L        |          |  | <u> </u> |
|          | 53       | <u> </u>   | <u> </u>   | _        | L            | ┞                              | <u> </u> | ┡        | ╙  | <u> </u> |
|          | 54<br>55 | <b> </b>   | _  | _        | L            | <u> </u>                       | <u> </u> | <u> </u> | <u> </u>   | ļ        |
|          | 55       | ├  | H  | H        | H            | -                              | _        | <u> </u> | <b>!</b> -                                       | ├        |
| -        | 56<br>57 | ├  | ⊢  | ⊢        | ┢            | ⊢                              | -        | -        | ├-   |          |
| -        | 58       | -  | ┢  | $\vdash$ | -            | -                              |          | -        | -  | ╁─       |
|          | 59       | <del>                                     </del> | $\vdash$   |          | $\vdash$     |                                |          | ┢        | <del>                                     </del> | -        |
|          | 60       | ı  | Г  | $\vdash$ |              |                                |          | <b>-</b> |  | $\vdash$ |
|          | 61       |  |  |          |              |                                |          | Г        |  |          |
|          | 62       |  |  |          |              |                                |          |          |  |          |
|          | 63       | _  | _  | L        |              |                                |          | L        |  |          |
|          | 64       | _  | <u> </u>   | _        | _            | _                              | <u> </u> | _        | _  | L        |
|          | 65       | $\vdash$   | <u> </u>   |          | <del> </del> | $\vdash$                       | -        | -        |  | $\vdash$ |
| -        | 66<br>67 | $\vdash$   | ├-   | -        | -            | -                              | -        | $\vdash$ | $\vdash$   | $\vdash$ |
| -        | 68       | $\vdash$   | ⊢  | ├─       | ├            | -                              | -        |          | $\vdash$   | -        |
| <b> </b> | 69       | ┢  | ┢  | ┢        | ┢            | 1                              | H        | H        | -  |          |
|          | 70       | <del>                                     </del> | T  | $\vdash$ | $\vdash$     | $\vdash$                       |          | H        | -  |          |
|          | 71       | Г  |  |          |              |                                |          |          |  | $\Box$   |
|          | 72       |  |  |          |              |                                |          |          |  |          |
|          | 73       |  | $ldsymbol{ld}}}}}}$ |          |              |                                |          |          |  |          |
|          | 74       | <u> </u>   | <u> </u>   | L        | L            | L                              | L        | L_       |  |          |
| <u> </u> | 75       | <u> </u>   | ┡  | <b> </b> | <u> </u>     | _                              | <u> </u> |          | <u> </u>   |          |
| -        | 76<br>77 | ⊢  | -  | ┝        | ⊢            | ⊢                              | -        | ├        | ⊢  | ⊢        |
|          | 78       | ⊢  | <u> </u>   | ⊢        | -            | ┝                              | -        | -        |  | $\vdash$ |
| -        | 79       | ┢  | -  |          | $\vdash$     | -                              | $\vdash$ | ┢        | $\vdash$   | $\vdash$ |
|          | 80       |  | $\vdash$   | <u> </u> |              |                                |          | ╁─       | $\vdash$   | $\vdash$ |
|          | 81       |  | Г  |          |              |                                |          | _        |  | Г        |
|          | 82       |  |  |          |              |                                |          |          |  |          |
|          | 83       |  |  | Ĺ        | Ĺ            | $oxedsymbol{oxedsymbol{oxed}}$ | $\Box$   | 匚        | $oxedsymbol{oxedsymbol{oxed}}$                   |          |
|          | 84       | L  | ļ  | _        | <u> </u>     | <u> </u>                       | <u> </u> | L        | L  | <u> </u> |
| -        | 85       | $\vdash$   | <u> </u>   | $\vdash$ | $\vdash$     | <u> </u>                       | -        | L        | L  | <u> </u> |
| }        | 86<br>87 | L  | <u> </u>   | L        | _            | <u> </u>                       | $\vdash$ | $\vdash$ | $\vdash$   | <u> </u> |
|          | 88       | _  | <u> </u>   | _        | _            | -                              | $\vdash$ | $\vdash$ | ┢  | <u> </u> |
|          | 89       | _  | Н  |          | _            | $\vdash$                       | Н        | $\vdash$ | $\vdash$   | <u> </u> |
|          | 90       | <u> </u>   | П  | П        | -            | Т                              | Т        |          | Т  | $\vdash$ |
|          | 91       |  |  |          |              |                                |          |          |  |          |
|          | 92       |  |  |          |              |                                |          |          |  |          |
| $\Box$   | 93       |  |  |          |              |                                |          |          |  |          |
| <u> </u> | 94       | _  | _  |          |              |                                |          | ļ        | _  |          |
|          | 95       | <u> </u>   | $\vdash$   | $\vdash$ | <u> </u>     | _                              | <u> </u> | _        | H  | _        |
| $\vdash$ | 96<br>97 | <u> </u>   | ļ.   |          | -            | H                              | _        | _        | _  |          |
| -        | 98       | $\vdash$   |  |          | -            | -                              |          |          |  |          |
| $\vdash$ | 99       |  |  |          |              | Н                              | _        | Н        | -  |          |
|          | 100      | -  | _  |          | -            |                                | _        |          | -  |          |

|       | aim               | Date     |          |  |          |          |                |          |          |          |  |  |
|-------|-------------------|----------|----------|--|----------|----------|----------------|----------|----------|----------|--|--|
| Ui    |                   | <u> </u> | _        |  | —        | Jat      | e<br>T         | _        | _        | _        |  |  |
| Final | Original          |          |          |  |          |          |                |          |          |          |  |  |
|       | 101<br>102        |          |          |  |          |          |                |          |          |          |  |  |
|       | 102               |          |          | <u> </u>   | _        |          | ļ              | <u> </u> | L        | Ш        |  |  |
|       | 103<br>104        | _        | -        | ▙  | <u> </u> | -        |                | <u> </u> | _        | _        |  |  |
| _     | 104               | -        | ┝        | ├  | _        | ļ        |                | _        | ⊢        | Н        |  |  |
|       | 106               | -        | ┝        | ├─   | -        | ┢        | ⊢              | -        | ⊢        | Н        |  |  |
|       | 107               |          | ├        | $\vdash$   | ┢        | H        | ┢╾             | $\vdash$ | $\vdash$ | Н        |  |  |
|       | 108               |          |          | $\vdash$   | $\vdash$ | Г        |                |          |          | H        |  |  |
|       | 109               |          |          |  |          |          |                |          |          |          |  |  |
|       | 110               |          |          |  |          |          |                |          |          |          |  |  |
|       | 111               |          | <u> </u> |  | <u> </u> | ㄴ        |                |          | _        | Ш        |  |  |
|       | 111<br>112<br>113 |          | $\vdash$ |  | $\vdash$ | -        | _              | L        | _        | Н        |  |  |
|       | 113               | _        | ├        | $\vdash$   | -        | $\vdash$ | $\vdash$       | <b> </b> | <u> </u> | $\vdash$ |  |  |
|       | 114<br>115        |          | ┝        | -  | ├        | ⊢        | -              | ⊢        | ┢        | Н        |  |  |
|       | 116               |          |          | <del>                                     </del> | ╌        | 一        | _              |          | $\vdash$ | Н        |  |  |
|       | 117               |          |          | $\vdash$   |          | Г        |                |          |          |          |  |  |
|       | 118               |          |          |  |          |          | <u> </u>       |          |          | П        |  |  |
|       | 119               |          |          |  |          |          |                |          |          |          |  |  |
|       | 120               |          |          | _  |          | L_       | _              |          | L        | Ш        |  |  |
|       | 121               |          | _        | <u> </u>   | L        | <u> </u> | _              | <u> </u> | <u> </u> | Ш        |  |  |
|       | 122               | _        | _        | <u> </u>   | -        | _        | <del>  -</del> | <u> </u> | <u> </u> | Н        |  |  |
|       | 122<br>123<br>124 | -        |          | <u> </u>   |          | _        | -              | -        | ⊢        | Н        |  |  |
|       | 125               | -        | $\vdash$ | ┢  | ┢        | $\vdash$ | $\vdash$       | -        |          | Н        |  |  |
|       | 125<br>126<br>127 | -        |          | <u> </u>   | -        |          | -              | -        |          | Н        |  |  |
|       | 127               |          |          |  |          |          |                |          |          | П        |  |  |
|       | 128<br>129        |          |          |  |          |          |                |          |          |          |  |  |
|       | 129               |          | L        |  |          | L        |                | $\Box$   | _        |          |  |  |
|       | 130               |          | L        |  |          | <u> </u> | <u> </u>       | L        | <u> </u> | Щ        |  |  |
|       | 131<br>132        |          | -        | _  | ļ        | _        | -              |          | ⊢        | Н        |  |  |
|       | 133               |          | _        | $\vdash$   | $\vdash$ | -        | $\vdash$       |          | $\vdash$ | H        |  |  |
|       | 134               |          | -        |  |          | ┢        | $\vdash$       | _        |          | Н        |  |  |
|       | 135               |          |          |  |          |          |                |          |          | Н        |  |  |
|       | 136<br>137        |          |          |  |          |          |                |          |          |          |  |  |
|       | 137               |          |          |  |          | Ш        |                |          |          |          |  |  |
|       | 138               |          |          |  |          | _        |                |          | $\Box$   | Ш        |  |  |
|       | 139               |          |          |  |          | <u> </u> | _              | _        |          | Щ        |  |  |
|       | 141               |          | _        | -  |          | _        | _              |          |          | Н        |  |  |
|       | 142               |          | _        | H  |          | _        |                | _        |          | $\vdash$ |  |  |
|       | 143               |          |          |  | Т        | П        | H              | _        | Н        | $\vdash$ |  |  |
|       | 144               |          |          |  |          |          |                |          |          |          |  |  |
|       | 145               |          |          |  |          |          |                |          |          |          |  |  |
|       | 146               |          |          |  |          |          |                |          |          |          |  |  |
|       | 147               | _        |          | Ļ,   |          | _        | Щ              |          | _        | Щ        |  |  |
|       | 148               |          | -        | $\vdash$   | _        | _        | Щ              |          | _        | H        |  |  |
|       | 149<br>150        | _        |          |  |          | H        | $\dashv$       |          | _        |          |  |  |
|       | 130               |          |          | ш  |          | Ш        |                |          |          | Ш        |  |  |